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HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20070001
Agency Interest No. 44866

Mr. Vic Schubert
Manager, Norco Coke Plant
Rain CII Carbon, LLC
801 Prospect Ave
Norco, LA 70779

RE: Part 70 Operating Permit Renewal and Modification, Rain CII Carbon LLC - Norco Coke Plant, Norco, St. Charles Parish, Louisiana

Dear Mr. Schubert:

This is to inform you that the permit renewal and modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2009.

Permit No.: 2520-00003-V1

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN: rjj
c: EPA Region VI

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
RAIN CII CARBON LLC - NORCO COKE PLANT
PROPOSED PART 70 AIR OPERATING RENEWAL AND MINOR MODIFICATION AND PREVENTION OF
SIGNIFICANT MODIFICATION (PSD) MINOR MODIFICATION PERMITS

The LDEQ, Office of Environmental Services, is accepting written comments on the Part 70 Air Operating Renewal and Minor Modification and Prevention of Significant Deterioration (PSD) Minor Modification Permits for Rain CII Carbon LLC, 2627 Chestnut Ridge Dr. Suite 200, Kingwood, TX 77339 for the Norco Coke Plant. The facility is located at 801 Prospect Avenue, Norco, St. Charles Parish.

The Norco Coke Plant is an existing coke calcining facility. The site currently operates under Permit No. 2520-00003-V0 and PSD LA-582-M-2, both issued December 10, 2004.

Rain CII Carbon LLC requested a renewal and minor modification with the following changes:

- An increase in the allowable coffee chaff combusted in the pyroscrubber. The facility is currently permitted to handle and combust 22 tons per day of coffee chaff (8,030 tons per year). CII is requesting to increase the amount to 50 tons per day; however, the total annual chaff from the supplier will not exceed 10,000 tons per year,
- Due to the proposed increased amount of chaff to be handled, the emission of particulate matter from Emission Point FUG1 – Coffee Chaff Handling System will increase by up to 0.45 tons per year,
- Emissions associated with Emissions Points EQT05 – Heat Recovery Boiler Stack and EQT06 – Pyroscrubber Stack are also affected by the increase in coffee chaff being combusted in the pyroscrubber. The heat recovery boiler stack (EQT05) is equipped with a nitrogen oxide (NO_x) continuous emissions monitoring system (CEMS). The formation of NO_x emissions are and will continue to be controlled through good combustion practices and other operational controls. Therefore, CII is not requesting an increase in permitted NO_x emissions,
- Emissions of carbon monoxide (CO) are expected to increase by up to 1.03 tons per year as a result of the increase in coffee chaff,
- As a result of two engineering studies, CII has updated the potential SO₂ emissions calculations for the heat recovery boiler stack (EQT5) and the pyroscrubber stack (EQT6). Therefore, CII has revised the SO₂ emissions cap contained in GRP4 N-CAP78 Pyroscrubber / HRB CAP, and
- Removal of fan amperage limitation, monitoring, and recordkeeping requirements from the Cooler Scrubber Stack (EQT12). Instead of fan amperage, CII will monitor pressure drop daily across the Rotary Cooler Multiclon (EQT17) and water flow rate once every four hours across the cooler scrubber. The scrubber water flow rate will be maintained at greater than 30 gallons per minute.

Estimated emissions from the facility in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	181.91	182.36	+ 0.45
SO ₂	3360.00	3886.64	+ 526.64*
NO _x	395.00	395.00	-
CO	4.20	5.23	+ 1.03
VOC	0.85	0.85	-
SO ₃	27.00	27.00	-

(*) - The sulfur dioxide emissions change (except for 4.33 tons per year due to an operational change in coffee chaff) is a reconciliation to incorporate a change in the calculation methodology for the green coke emissions and newly identified sulfur in the coffee chaff.

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, June 4, 2009.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit applications, proposed Part 70 Air Operating Renewal and Minor Modification and Prevention of Significant Deterioration (PSD) permits and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at the Saint Charles Parish Library, Norco Branch, 197 Good Hope Street, Norco, LA 70079 and the East Regional Branch, 100 River Oaks Drive, Destrehan, LA 70047.

Inquiries or requests for additional information regarding this permit action should be directed to Rusty J. Jack, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-0513.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmailistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 44866, Permit Number 2520-00003-V1 and PSD-LA-582 (M-3), and Activity Number PER20070001 and PER20080003, respectively.

Scheduled Publication Date: April 30, 2009

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Rain CII Carbon LLC - Norco Coke Plant

Agency Interest No.: 44866

Rain CII Carbon LLC

Norco, St. Charles Parish, Louisiana

I. Background

The Norco Coke Plant is an existing coke calcining facility located in St. Charles Parish near Norco. Originally, the site was owned and operated by Kaiser Aluminum and Chemical Corporation, purchased by LaRoche Chemical Inc. in June, 1988, and then purchased by Calciner Industries, Inc. (CII) in November, 1988. In 1992, the name changed from CII to CII Carbon LLC and then to Rain CII Carbon LLC. The facility is encompassed by the Motiva/Shell Refinery Complex. The site currently operates under Permit No. 2520-00003-V0 and PSD-LA-582-M-2, both issued December 10, 2004.

This is the renewal and modification of the Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Rain CII Carbon LLC on May 10, 2007 requesting a Part 70 operating permit modification. An addendum to the modification application dated July 9, 2007 was also received as well as additional information dated January 22, 2008 and February 4, 2008.

III. Description

The Norco Coke Plant processes green petroleum coke to produce calcined coke, which is used in the manufacturing of anodes for the aluminum industry. Green petroleum coke is received from an adjacent oil refinery and placed in storage bins. Green coke may also be received by truck. The green coke is fed to a countercurrent natural gas rotary kiln where residual moisture and volatile compounds are removed. The calcined coke is discharged from the kiln into a rotary cooler where it is quenched by water and treated with a chemical wetting agent for dust control. The calcined coke is transported by screw conveyor and bucket elevators to storage bins for loadout onto railcars or trucks.

The kiln flue gases are routed through a settling chamber and into the pyroscrubber for destruction of volatile materials not removed in the rotary kiln and particulates. The pyroscrubber retention time is 14 seconds. This length of time enhances the destruction of particulate fines and volatile compounds.

Heat energy (225 MMBTU/hr) generated during the coke calcining process is recovered in the heat recovery boiler (HRB) to produce steam (1,350 psi). The flue gases from the heat recovery boiler are directed through a high temperature baghouse to control particulate matter (PM) and sulfur trioxide (SO_3) emissions and the formation of a visible plume. Steam production is

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enhanced by injecting coffee chaff directly into the pyroscrubber. The Norco Coke Plant currently combust 22 tons per day of coffee chaff in the pyroscrubber as supplemental fuel.

The majority of the flue gases from the coke calcining process will exit through either the N-8 Pyroscrubber Stack (when there is no heat recovery) or the N-7 Heat Recovery Boiler Stack (when steam is being produced). The steam generated in the HRB is distributed by pipeline to the adjacent Motiva/Shell Utility Complex. The calcined coke is shipped offsite via railcar/truck to other CII facilities for distribution to commercial markets.

Rain CII Carbon is proposing the following changes in this modification:

- An increase in the allowable coffee chaff combusted in the pyroscrubber. The facility is currently permitted to handle and combust 22 tons per day of coffee chaff (8,030 tons per year). CII is requesting to increase the amount to 50 tons per day; however, the total annual chaff from the supplier will not exceed 10,000 tons per year,
- Due to the proposed increased amount of chaff to be handled, the emission of particulate matter from Emission Point FUG1 – Coffee Chaff Handling System will increase by up to 0.45 tons per year,
- Emissions associated with Emissions Points EQT05 – Heat Recovery Boiler Stack and EQT06 – Pyroscrubber Stack are also affected by the increase in coffee chaff being combusted in the pyroscrubber. The heat recovery boiler stack (EQT05) is equipped with a nitrogen oxide (NO_x) continuous emissions monitoring system (CEMS). The formation of NO_x emissions are and will continue to be controlled through good combustion practices and other operational controls. Therefore, CII is not requesting an increase in permitted NO_x emissions,
- Emissions of carbon monoxide (CO) are expected to increase by up to 1.03 tons per year as a result of the increase in coffee chaff,
- As a result of two engineering studies, CII has updated the potential SO₂ emissions calculations for the heat recovery boiler stack (EQT5) and the pyroscrubber stack (EQT6). Therefore, CII has revised the SO₂ emissions cap contained in GRP4 N-CAP78 Pyroscrubber / HRB CAP,
- Removal of fan amperage limitation, monitoring, and recordkeeping requirements from the Cooler Scrubber Stack (EQT12). Instead of fan amperage, CII will monitor

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Rain CII Carbon LLC - Norco Coke Plant

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Rain CII Carbon LLC

Norco, St. Charles Parish, Louisiana

- pressure drop daily across the Rotary Cooler Multicloner (EQT17) and water flow rate once every four hours across the cooler scrubber. The scrubber water flow rate will be maintained at greater than 30 gallons per minute, and
- Lastly, this permit will require the installation and utilization of a SO₂ CEMS on the stack from the Heat Recovery Boiler Stack (EQT 005).

Regarding emissions, CII has stated that there is no effective control technology for NO_x emissions in the coke calcining industry; therefore, the emission of NO_x at the coke plant is uncontrolled. Administrative controls, such as limiting the average green coke sulfur content, are used to control SO₂ emissions. PM₁₀ and VOC emissions from the coke calcining process are controlled by the pyroscrubber. When the energy (heat) recovery system is in service, the flue gases will be routed through the baghouse and then released to the atmosphere through the heat recovery boiler stack.

The PM₁₀ emissions from the cooler quench system are controlled by the multicloner and wet scrubber prior to exiting the Cooler Scrubber Stack (EQT12). Fugitive PM₁₀ emissions are primarily associated with material handling activities such as calcined coke loadout and calcined coke storage tanks. The emissions are minimized by the application of a dust suppressing agent.

Estimated emissions from the facility in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	181.91	182.36	+ 0.45
SO ₂	3360.00	3886.64	+ 526.64*
NO _x	395.00	395.00	-
CO	4.20	5.23	+ 1.03
VOC	0.85	0.85	-
SO ₃	27.00	27.00	-

(*) - The sulfur dioxide emissions change (except for 4.33 tons per year due to an operational change in coffee chaff) is a reconciliation to incorporate a change in the calculation methodology for the green coke emissions and newly identified sulfur in the coffee chaff.

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Norco, St. Charles Parish, Louisiana

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, and Prevention of Significant Deterioration (PSD). New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of toxic air pollutants (TAP) pursuant to LAC 33:III.Chapter 51.

The facility is a major source under the PSD program pursuant to 40 CFR 52.21 and LAC 33:III.509.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

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Rain CII Carbon LLC - Norco Coke Plant

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Norco, St. Charles Parish, Louisiana

VII. Effects on Ambient Air

Dispersion Model Used: AERMOD

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	National Ambient Air Quality Standard {NAAQS}
SO ₂	3-hour	762.95 µg/m ³	1300 µg/m ³
	24-hour	221.57 µg/m ³	365 µg/m ³
	Annual	41.20 µg/m ³	80 µg/m ³

VIII. General Condition XVII Activities

No activities reported.

IX. Insignificant Activities

ID No.	Description	Citation
01	Three (3) Natural Gas Engines (20 hp each)	LAC 33:III:501.B.5.D
D-1	Diesel Tank (500 gallons)	LAC 33:III:501.B.5.A.3
D-2	Diesel Tank (500 gallons)	LAC 33:III:501.B.5.A.3

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Rain CII Carbon LLC - Norco Coke Plant
 Agency Interest No.: 44866
 Rain CII Carbon LLC
 Norco, St. Charles Parish, Louisiana

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter										40 CFR 60			40 CFR 63			40 CFR 52			40 CFR 68			40 CFR 72			
		5	9	11	13	15	21	51	56	59	A	K	Q	PSD*	CAPP												
UNF 01	Norco Coke Plant	1	1	1	1	1	2	1																	1	3	
EQT 02	N-3/N-3A Calcined Coke Loadout Spout						1																				
EQT 03	1A-96 Calcined Coke Storage Tank Vent						1																				
EQT 04	1B-96 Calcined Coke Storage Tank Vent						1																				
EQT 05	N-8 Heat Recovery Boiler Stack	1		1	1	1														1							
EQT 06	N-7 Pyroscrubber Stack			1	1	1														1							
GRP 04	N-CAP78 Pyroscrubber / HRB CAP	1					1																				
EQT 07	N-9 Dedust Oil Tank						2													2							
EQT 08	N-10 Cooling Tower #1																				3						
EQT 09	N-11 Cooling Tower #2																				3						
EQT 12	N-2 Cooler Scrubber Stack						2	1																			

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III Chapter	40 CFR 60	40 CFR 63	40 CFR 52	40 CFR 68	40 CFR 72
			5	9	11	13	15
FUG 01	N-12 Coffee Chaff Handling			1			
FUG 02	N-13 Lime Storage and Handling System			1			

* NO_x and SO₂ emissions are subject to PSD regulations.

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Rain CII Carbon LLC
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KEY TO MATRIX

KEY TO MATRIX	
1	The regulations have applicable requirements which apply to this particular emission source.
2	The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
3	The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
Blank	The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
	The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
UNF 01 Norco Coke Plant	Chemical Accident Prevention Provisions [40 CFR 68]	DOES NOT APPLY. Facility does not store or use any regulated materials in quantities greater than threshold values.
EQT 12 N-2 Cooler Scrubber Stack	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.Chapter 51]	DOES NOT APPLY. This facility is classified as a minor source of hazardous/toxic air pollutants. As such, it is not subject to any MACT regulations.
EQT 07 N-9 Dedust Oil Tank	Control of Emissions of Smoke [LAC 33:III.1101.B]	DOES NOT APPLY. When the presence of uncombined water is the only reason for failure to meet the requirements of LAC 33:III.1101.B, it does not apply, as per LAC 33:III.1111.C
EQT 08 N-9 Cooling Tower	Standards of Performance for Storage of Vessels for Petroleum Liquid for which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 [40 CFR 60 Subpart K]	DOES NOT APPLY. Tank has a storage capacity of less than 40,000 gallons and was constructed in 1970.
EQT 09 N-10 Cooling Tower	Control of Emissions of Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Material stored has a vapor pressure less than 1.5 psia.
	National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers [40 CFR 63 Subpart Q]	DOES NOT APPLY. Facility is not a major source of hazardous air pollutants and coolers do not operate with chromium based treatment chemicals.

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The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section VII of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
 1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

40 CFR PART 70 GENERAL CONDITIONS

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
 - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

40 CFR PART 70 GENERAL CONDITIONS

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

40 CFR PART 70 GENERAL CONDITIONS

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire submitted on May 10, 2007 and an addendum to the permit application dated July 9, 2007, along with supplemental information dated January 22, 2008 and February 4, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 44866 Rain CII Carbon LLC - Norco Coke Plant

Activity Number: PER2007001

Permit Number: 2520-00003-V1

Air - Title V Regular Permit Renewal

Known As:	ID	Name	User Group	Start Date
	2620-00003	Rain CII Carbon LLC - Norco Coke Plant	CDS Number	08-17-1999
	72-1130004	Federal Tax ID	Federal Tax ID	11-20-1999
	LAG531137	WPC File Number	LPDES Permit #	06-25-2003
		Rain CII Carbon LLC - Norco Coke Plant	Multimedia	02-22-2008
	G-089-1992	SW Generator ID #	Solid Waste Facility No.	07-24-2001
	G-089-6235	SW Generator ID #	Solid Waste Facility No.	09-17-2007
Physical Location:			Main FAX:	9857642110
			Main Phone:	9857643994
Billing Address:	801 Prospect Ave Norco, LA 70079			
Location of Front Gate:	30° 0' 7" latitude, 90° 23' 49" longitude, Coordinate Method: Lat\Long. - DMS, Coordinate Datum: NAD83			
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Jamie Kraemer	801 Prospect Ave Norco, LA 70079	9857643994 (WP)	Air Permit Contact For
	Jamie Kraemer	801 Prospect Ave Norco, LA 70079	9857643994 (WP)	Water Permit Contact For
	Jamie Kraemer	801 Prospect Ave Norco, LA 70079	9857643994 (WP)	Radiation Contact For
	Plant Manager	801 Prospect Ave Norco, LA 70079		Air Designated Representative for
	Stephen Rowland	2627 Chestnut Ridge Rd Ste 200 Kingwood, TX 77339		Responsible Official for
	Vic Schubert	PO Box 220 Norco, LA 707790220	vschubert@raincii.cc	Emission Inventory Contact for
	Vic Schubert	PO Box 220 Norco, LA 707790220	9857643994 (WP)	Responsible Official for
	Vic Schubert	PO Box 220 Norco, LA 707790220	vschubert@raincii.cc	Responsible Official for
	Vic Schubert	PO Box 220 Norco, LA 707790220	9857643994 (WP)	Emission Inventory Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	CII Carbon LLC	2627 Chestnut Ridge Dr Ste 200 Kingwood, TX 77339	2813182400 (WP)	Operates
	CII Carbon LLC	2627 Chestnut Ridge Dr Ste 200 Kingwood, TX 77339	2813182400 (WP)	Owns
	CII Carbon LLC	2627 Chestnut Ridge Dr Ste 200 Kingwood, TX 77339	2813182400 (WP)	Radiation Registration Billing Party for
	CII Carbon LLC	2627 Chestnut Ridge Dr Ste 200 Kingwood, TX 77339	2813182400 (WP)	Water Billing Party for
	CII Carbon LLC	2627 Chestnut Ridge Dr Ste 200 Kingwood, TX 77339	2813182400 (WP)	Air Billing Party for
	CII Carbon LLC	2627 Chestnut Ridge Dr Ste 200 Kingwood, TX 77339	2813182400 (WP)	Emission Inventory Billing Party
	Rain CII Carbon LLC	801 Prospect Ave Norco, LA 70079	9857643994 (WP)	Operates
	Rain CII Carbon LLC	801 Prospect Ave Norco, LA 70079	9857642110 (WF)	Owes
	Rain CII Carbon LLC	801 Prospect Ave Norco, LA 70079	9857643994 (WP)	Radiation Certification Billing Party for
	Rain CII Carbon LLC	801 Prospect Ave Norco, LA 70079	9857642110 (WF)	Owes

General Information

AI ID: 44866 Rain CII Carbon LLC - Norco Coke Plant

Activity Number: PER20070001

Permit Number: 2520-00003-V1

Air - Title V Regular Permit Renewal

Associated Organizations:	Name	Address	Phone (Type)	Relationship
Rain CII Carbon LLC	801 Prospect Ave Norco, LA 70079	9857643994 (WP)	Owns	
Rain CII Carbon LLC	801 Prospect Ave Norco, LA 70079	9857642110 (WF)	Water Billing Party for	
Rain CII Carbon LLC	801 Prospect Ave Norco, LA 70079	9857643994 (WP)	Water Billing Party for	
Rain CII Carbon LLC	801 Prospect Ave Norco, LA 70079	9857642110 (WF)	Air Billing Party for	
Rain CII Carbon LLC	801 Prospect Ave Norco, LA 70079	9857643994 (WP)	Air Billing Party for	
Rain CII Carbon LLC	801 Prospect Ave Norco, LA 70079	9857642110 (WF)	Radiation Certification Billing Party for	
Sher Garner Cahill Richter Klein & Hilbert - Attorneys	909 Poydras St 28th Floor New Orleans, LA 70112	9857642110 (WF)	Agent of Service for	

to: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. asa review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. sid Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant
Activity Number: PER20070001
Permit Number: 2520-00003-V1
Air - Title V Regular Permit Renewal

Object Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time	
rci Coke Plant							
T-0002	N-3 - Calcined Coke Loadout Spout	275000 tons/yr	100 tons/hr	Calcinced Coke	3000 hr/yr		
T-0003	1A-96 - Calcined Coke Storage Tank Vent	137500 tons/yr	137500 tons/yr	Calcinced Coke	8760 hr/yr		
T-0004	1B-96 - Calcined Coke Storage Tank Vent	137500 tons/yr	137500 tons/yr	Calcinced Coke	8760 hr/yr		
T-0005	N-8 - Heat Recovery Boiler Stack	44 tons/hr	42 tons/hr	Feed rates of green coke to the kiln.	8400 hr/yr		
T-0006	N-7 - Pyroscrubber Stack	44 tons/hr	42 tons/hr	Feed rates of green coke to the kiln.	2160 hr/yr		
T-0007	N-9 - Dedust Oil Tank	15000 gallons	214500 gallons/yr	214500 gallons/yr oil	8760 hr/yr		
T-0008	N-10 - Cooling Tower #1	500 gallons/min	500 gallons/min	Green coke.	8400 hr/yr		
T-0009	N-11 - Cooling Tower #2	500 gallons/min	500 gallons/min	Green coke.	8400 hr/yr		
T-0012	N-2 - Cooler Scrubber Stack	44 tons/hr	42 tons/hr	Feed rates of green coke to the kiln.	8400 hr/yr		
T-0014	014 - Heat Recovery System Baghouse	44 tons/hr	42 tons/hr	Green coke.	8400 hr/yr		
T-0015	015 - Kiln	44 tons/hr	42 tons/hr	Green coke.	8400 hr/yr		
T-0016	016 - Rotary Cooler	44 tons/hr	42 tons/hr	Green coke.	8400 hr/yr		
T-0017	017 - Rotary Cooler Multidrone	10000 tons/yr	11 tons/hr	Coffee chaff	950 hr/yr		
G-0001	N-12 - Coffee Chaff Handling System	1500 tons/yr	1500 tons/yr	Lime	8760 hr/yr		
G-0002	N-13 - Lime Storage and Handling System						
Stack Information:							
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
rci Coke Plant							
T-0002	N-3 - Calcined Coke Loadout Spout	60	11300	2	50	100	
T-0003	1A-96 - Calcined Coke Storage Tank Vent	6	70	.5	60	125	
T-0004	1B-96 - Calcined Coke Storage Tank Vent	6	70	.5	60	125	
T-0005	N-8 - Heat Recovery Boiler Stack	58	220000	9	150	360	
T-0006	N-7 - Pyroscrubber Stack	34	425500	16.5	171	2200	
T-0012	N-2 - Cooler Scrubber Stack	32.2	38000	5	50	185	
Relationships:							
ID	Description	Vents to	Relationship	ID	Description		
T-0015	015 - Kiln	Controlled by		EQT 0006	N-7 - Pyroscrubber Stack		
T-0015	015 - Kiln	Controlled by		EQT 0014	014 - Heat Recovery System Baghouse		
T-0016	016 - Rotary Cooler	Controlled by		EQT 0012	N-2 - Cooler Scrubber Stack		
T-0016	016 - Rotary Cooler	Controlled by		EOT 0017	017 - Rotary Cooler Multidrone		

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INVENTORIES

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant
Activity Number: PER20070001
Permit Number: 2520-00003-V1
Air - Title V Regular Permit Renewal

Object Item Groups:

ID	Group Type	Group Description
IP0004	Equipment Group	N-CAP78 - Pyroscrubber/HRB CAP
IF0001	Unit or Facility Wide	UNF01 - Norco Coke Plant

Group Membership:

ID	Description	Member of Groups
JT0005	N-8 - Heat Recovery Boiler Stack	GRP0000000004
JT0006	N-7 - Pyroscrubber Stack	GRP0000000004

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multplier	Units Of Measure
70	0770 Petroleum Coke Calcining (Rated Capacity)	275	M ton/yr

Codes:

99	Petroleum and coal products, nec	AI 44866
99	Petroleum and coal products, nec	UNF 001

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant

Activity Number: PER20070001

Permit Number: 2520-00003-V1

Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC			
	Avg lb/hr	Max lb/hr	Tons/Year													
re Coke Plant																
QT 0002 +3							1.70	2.50	2.30							
QT 0003 A.96							0.02	0.03	0.10							
QT 0004 B.96							0.02	0.03	0.10							
QT 0005 +8	1.87			130.00			43.40			1544.88			0.20			
QT 0006 +7	1.87			110.00			43.40			1544.88			0.20			
QT 0007 +9													0.002	0.002	0.01	
QT 0008 +10							0.09	0.19	0.41							
QT 0009 +11							0.09	0.19	0.41							
QT 0012 +2							14.10	18.00	59.20							
UG 0001 +12							2.82	5.89	1.34							
UG 0002 +13							0.75	1.0	3.30							
RP 0004 N-CAP78	1.25	5.23	94.00		395.00	27.4		115.20	925.39		3886.64	0.20		0.84		

3: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Session rates Notes:

- 0005 PM10 Max lb/hr Average lb/hr and TPY emissions reported under a cap, Emission Point N-CAP78 Which Months: All Year Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if sulfur dioxide emissions exceeds the maximum listed in this specific condition. Average lb/hr and TPY emissions reported under a cap, Emission Point N-CAP78.
[From PSD-LA-582 (M-3) Permit]
- 0005 NOx Max lb/hr Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if NOx emissions exceeds the maximum listed in this specific condition. Average lb/hr and TPY emissions reported under a cap, Emission Point N-CAP78.
[From PSD-LA-582 (M-3) Permit]
- 0005 CO Max lb/hr Average lb/hr and TPY emissions reported under a cap, Emission Point N-CAP78 Which Months: All Year Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if sulfur dioxide emissions exceeds the maximum listed in this specific condition. Average lb/hr and TPY emissions reported under a cap, Emission Point N-CAP78.
[From PSD-LA-582 (M-3) Permit]
- 0005 VOC Max lb/hr Average lb/hr and TPY emissions reported under a cap, N-CAP78. Which Months: All Year Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if NOx emissions exceeds the maximum listed in this specific condition. Average lb/hr and TPY emissions reported under a cap, Emission Point N-CAP78.
[From PSD-LA-582 (M-3) Permit]
- 0006 PM10 Max lb/hr Average lb/hr and TPY emissions reported under a cap, Emission Point N-CAP78 Which Months: All Year Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if sulfur dioxide emissions exceeds the maximum listed in this specific condition. Average lb/hr and TPY emissions reported under a cap, Emission Point N-CAP78.
[From PSD-LA-582 (M-3) Permit]
- 0006 SO2 Max lb/hr Average lb/hr and TPY emissions reported under a cap, Emission Point N-CAP78 Which Months: All Year Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if NOx emissions exceeds the maximum listed in this specific condition. Average lb/hr and TPY emissions reported under a cap, Emission Point N-CAP78.
[From PSD-LA-582 (M-3) Permit]
- 0006 NOx Max lb/hr Average lb/hr and TPY emissions reported under a cap, N-CAP78.

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant

Activity Number: PER20070001

Permit Number: 2520-00003-V1

Air - Title V Regular Permit Renewal

			[From PSD-LA-582 (M-3) Permit]	Which Months: All Year
			Average lb/hr and TPY emissions reported under a cap.	Emission Point N-CAP78 Which Months: All Year
			Noncompliance with this limitation is a reportable violation of the permit.	Notify the Office of Environmental Compliance, Enforcement Division if the combined total sulfur dioxide emissions from the Heat Recovery Boiler Stack (N-8) and the Pyroscrubber Stack (N-7) exceeds the maximum listed in this specific condition.
			Average lb/hr and TPY emissions reported under a cap.	Emission Point N-CAP78.
			[From PSD-LA-582 (M-3) Permit]	Which Months: All Year
			Noncompliance with this limitation is a reportable violation of the permit.	Notify the Office of Environmental Compliance, Enforcement Division if the combined total NOx emissions from the Heat Recovery Boiler Stack (N-8) and Pyroscrubber Stack (N-7) exceeds the maximum listed in this specific condition for any twelve consecutive month period.
			[From PSD-LA-582 (M-3) Permit]	Which Months: All Year
0006	CO	Max lb/hr		
	SO2	Tons/Year		
, 0004	NOx	Tons/Year		

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant

Activity Number: PER20070001

Permit Number: 2520-00003-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0005 N-8	Sulfur Trioxide		6.00	
	Total suspended particulate		43.40	
EQT 0006 N-7	Sulfur Trioxide		14.40	
	Total suspended particulate		43.40	
GRP 0004 N-CAP78	Sulfur Trioxide	6.43		27.00
UNF 0001 UNF01	Sulfur Trioxide			27.00

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

Emission Rates Notes:

EQT 0005	Sulfur Trioxide	Max lb/hr	Average lb/hr and TPY emissions reported under a cap, Emission Point N-CAP78 Which Months: All Year
EQT 0005	Total suspended particulate	Max lb/hr	Average lb/hr and TPY emissions reported as PM10 under N-CAP78. Which Months: All Year
EQT 0006	Sulfur Trioxide	Max lb/hr	Average lb/hr and TPY emissions reported under a cap, Emission Point N-CAP78 Which Months: All Year
EQT 0006	Total suspended particulate	Max lb/hr	Average lb/hr and TPY emissions reported as PM10 under N-CAP78. Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant
Activity Number: PER20070001
Permit Number: 2520-00003-V1
Air - Title V Regular Permit Renewal

EQT 0002 N-3 - Calcined Coke Loadout Spout

1 [LAC 33:III.1311.C]

Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Calcined Coke Throughput <= 275,000 tons/yr.

Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum

Particulate matter (10 microns or less) >= 98 % removal efficiency. The calcined coke is treated with a chemical wetting agent so as to minimize fugitive dust emissions. The material is loaded into trucks using a retractable loading spout equipped with a baghouse. The efficiency for truck loading is 98%.

For railcar loading, the dedust oil treated coke discharges through a series of three spouts lowered onto the top of the railcar manway. The configuration of the spouts and manway openings and application of dedust oil provide a 90% control efficiency. The overall loading control efficiency is 98%.

Which Months: All Year Statistical Basis: None specified

Operating time <= 3000 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum

Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total loadout system operating time for each month, as well as the operating time for the last twelve months. Make records available for inspection by DEQ personnel.

Calcined Coke: Throughput monitored by technically sound method during loading.

Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum

Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary.

The calcined coke is treated with a chemical wetting agent so as to minimize fugitive dust emissions. The material is loaded into trucks using a retractable loading spout equipped with a baghouse.

Which Months: All Year Statistical Basis: None specified

Operating time

Submit report: Due annually, by the 31st of March. Report the Calcined Coke Loadout, Emission Point N-3/N-3A operating hours for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

Calcined Coke: Throughput recordkeeping by electronic or hard copy monthly.

Keep records of the total calcined coke loaded each month, as well as the total loaded for the last twelve months. Make records available for inspection by DEQ personnel.

SPECIFIC REQUIREMENTS

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant
Activity Number: PER20070001
Permit Number: 2520-00003-V1
Air - Title V Regular Permit Renewal

EQT 0002 N-3 - Calcined Coke Loadout Spout

12 [LAC 33:III.507.H.1.a]

Operating time monitored by technically sound method during loading.
Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum

13 [LAC 33:III.507.H.1.a]

Throughput : Calcined Coke.
Submit report: Due annually, by the 31st of March. Report the Calcined Coke Loaded for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

14 [LAC 33:III.507.H.1.a]

Filter vents: Visible emissions monitored by visual inspection/determination daily. Visual inspections must be performed when loading to ensure compliance. If visual emissions are detected, 40 CFR 60 Appendix A, Method 9 must be conducted within 3 working days.
Which Months: All Year Statistical Basis: None specified

EQT 0003 1A-96 - Calcined Coke Storage Tank Vent

15 [LAC 33:III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average

16 [LAC 33:III.501.C.6]

Particulate matter (10 microns or less) >= 75 % removal efficiency Treat the calcined coke with a chemical wetting agent to minimize fugitive dust emissions.
Which Months: All Year Statistical Basis: None specified

EQT 0004 1B-96 - Calcined Coke Storage Tank Vent

17 [LAC 33:III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average

18 [LAC 33:III.501.C.6]

Particulate matter (10 microns or less) >= 75 % removal efficiency Treat the calcined coke with a chemical wetting agent to minimize fugitive dust emissions.
Which Months: All Year Statistical Basis: None specified

EQT 0005 N-8 - Heat Recovery Boiler Stack

19 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, equipment changes, or ash removal, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (NOTE: The pyroscrubber is the combustion unit which vents to the Heat Recovery Boiler Stack when the system is in heat recovery mode).
Which Months: All Year Statistical Basis: None specified

20 [LAC 33:III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average

21 [LAC 33:III.1503.C]

Sulfur dioxide <= 2000 ppmv at standard conditions.
Which Months: All Year Statistical Basis: Three-hour average

SPECIFIC REQUIREMENTS

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant
Activity Number: PER20070001
Permit Number: 2520-00003-V1
Air - Title V Regular Permit Renewal

EQT 0005 N-8 - Heat Recovery Boiler Stack

22 [LAC 33:III.1503.D.]

Determine compliance with the appropriate emission limitation in LAC 33:III.1503.A through 1503.C using the methods listed in LAC 33:III.1503.D. Table 4 or any such equivalent method as may be approved by DEQ. Use these methods for initial compliance determinations and for any additional compliance determinations as requested by DEQ.

Sulfur dioxide monitored by continuous emission monitor (CEM) continuously in the units of the limitation and in terms of pounds per hour. Ensure that the measurement system is certified according to Performance Specification 2 of 40 CFR 60 Appendix B, and quality assured by the procedures in 40 CFR 60 Appendix F.

Which Months: All Year Phases: Phase I! Statistical Basis: Three-hour rolling average

Install, test and perform any other appropriate activities prior to use of the CEMS monitor. Implement monitoring as expeditiously as practicable after installation of the SO2 CEMS monitor, but in no case shall the period for completing installation and beginning operation of the monitoring exceed 180 days after approval of the permit. Phase I requirements shall cease upon proper operation of the SO2 CEMS.

The pound per hour sulfur input rates used to determine compliance with the emission limits set forth in this permit shall use the following equation to compute the sulfur emission rate:

$$\text{Sulfur (lb/hr)} = (0.5349) \cdot (\text{Tons Coke}(input) \text{ per hour} X (1 - \% \text{ Moisture in Uncalcined Coke}) \times 2000 \text{ lbs/ton} X \% \text{ Sulfur in Uncalcined Coke}) - 9.93$$

% moisture and % sulfur is the average of all daily measurements throughout the month.

Tons Coke input rate is the total green coke feed for the month/operating hours for the month.

Phase I requirements shall cease upon proper operation of the SO2 CEMS. , Phases: Phase I

Phases: Phase I

Collect samples of uncalcined coke at least twice per day to be used for analysis of sulfur content. Phase I requirements shall cease upon proper operation of the SO2 CEMS. , Phases: Phase I

Phases: Phase I

Uncalcined coke Mass flow rate recordkeeping by electronic or hard copy daily. Phase I requirements shall cease upon proper operation of the SO2 CEMS.

Phases: Phase I

Uncalcined coke Mass flow rate monitored by material feed/flow monitoring daily. Phase I requirements shall cease upon proper operation of the SO2 CEMS.

Which Months: All Year Phases: Phase I Statistical Basis: Daily average Submit notification in writing. Due quarterly, by 30th of January, April, July, and October. Submit a report summarizing the results of the sulfur content analyses required by this permit to the Office of Environmental Compliance, Surveillance Division. This report shall contain a summary of the results from the analyses performed during the preceding quarter. Phase I requirements shall cease upon proper operation of the SO2 CEMS. , Phases: Phase I

SPECIFIC REQUIREMENTS

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant
Activity Number: PER20070001
Permit Number: 2520-00003-V1
Air - Title V Regular Permit Renewal

EQT 0005 N-8 - Heat Recovery Boiler Stack

30 [LAC 33:III.1511.C]

Determine the moisture content of the uncalcined coke representative of the uncalcined coke input to the kiln expressed as percent moisture, from the same sample used to determine sulfur content. Phase 1 requirements shall cease upon proper operation of the SO2 CEMS. , Phases: Phase I

Phases: Phase I

Determine sulfur content of uncalcined coke representative of the uncalcined coke input to the kiln, expressed as percent sulfur. Phase 1 requirements shall cease upon proper operation of the SO2 CEMS. , Phases: Phase I

Phases: Phase I

Sulfur dioxide recordkeeping by continuous emission monitor (CEM) continuously. Record the values in terms of ppmv (dry basis) and in terms of pounds per hour.

Phases: Phase II

Submit compliance determination results from the initial installation of the SO2 CEMS: Due no later than 90 days after completion of the CEMs initial operational test. , Phases: Phase II

Phases: Phase II

Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence. Record the initial and additional compliance determination data for demonstrating that the installed SO2 CEMS is operational.

Phases: Phase II

Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15.

Submit excess emissions report: Due quarterly in accordance with LAC 33: I.Chapter 39. Submit reports of three-hour excess emissions and

reports of emergency conditions.

Make all compliance data available to a representative of DEQ or the U.S. EPA on request.

Particulate matter (10 microns or less) \geq 99.5 % removal efficiency from filter manufacturer's certification.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBTu, gr/dscf, lbs SO₂ / ton

100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary.
Which Months: All Year Statistical Basis: None specified

Filter vents: Visual emissions monitored by visual inspection/determination daily. Visual inspections must be performed when discharging to ensure compliance. If visual emissions are detected, 40 CFR 60 Appendix A, Method 9 must be conducted within 3 working days.
Which Months: All Year Statistical Basis: None specified

- 41 [LAC 33:III.507.H.1.a]
- 42 [LAC 33:III.507.H.1.a]

SPECIFIC REQUIREMENTS

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant

Activity Number: PER20070001

Permit Number: 2520-00003-V1

Air - Title V Regular Permit Renewal

EQT 0005 N-8 - Heat Recovery Boiler Stack

Heat Recovery Boiler Stack Operating time monitored by technically sound method continuously.
The stack shall not operate concurrently with the Pyroscrubber Stack (N-7).

[From PSD-LA-582 (M-3) Permit].

Which Months: All Year Statistical Basis: None specified

PM:

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Vary and record the pyroscrubber temperature and green coke feed rates during testing. Ensure testing includes the maximum anticipated operating pyroscrubber temperature and maximum green coke feed rate. Additionally, the test will be conducted with and without the burning of coffee chaff as supplemental fuel to the pyroscrubber

Change the filter elements as necessary.

PM:

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Operating time :

Submit report: Due annually, by the 31st of March. Report the hours of operation for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

[From PSD-LA-582 (M-3) Permit]. [LAC 33:III.509, LAC 33:III.507.H.1.a]

Operating time recordkeeping by electronic or hard copy monthly.

Keep records of the total hours of operation each month, as well as the total hours of operation for the last twelve months. Make records available for inspection by DEQ personnel.

[From PSD-LA-582-M2 Permit]. [LAC 33:III.509, LAC 33:III.507.H.1.a]

50 [LAC 33:III.509]

Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. Comply with 40 CFR 60, Appendix B Performance Specification 2 : Specifications and Test Procedures for NOx CEM Systems in Stationary sources and appendix F - Quality Assurance Procedures.

[From PSD-LA-582 (M-3) Permit]. [LAC 33:III.509, LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: Hourly maximum

Nitrogen oxides recordkeeping by continuous emission monitor (CEM) continuously.

Keep records of the total hourly NOx emissions each month, as well as the total hourly NOx emissions for the last twelve months. Make records available for inspection by DEQ personnel.

[From PSD-LA-582 (M-3) Permit]. [LAC 33:III.509, LAC 33:III.507.H.1.a]

51 [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant
Activity Number: PER20070001
Permit Number: 2520-00003-V1
Air - Title V Regular Permit Renewal

EQT_0006_N.7 - Pyroscrubber Stack

52 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, equipment changes, or ash removal, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (NOTE: The pyroscrubber is the combustion unit which vents to the Pyroscrubber Stack when the system is not in heat recovery mode).

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Sulfur dioxide <= 2000 ppmv at standard conditions.

Which Months: All Year Statistical Basis: Three-hour average

Determine compliance with the appropriate emission limitation in LAC 33:III.1503.A through 1503.C using the methods listed in LAC 33:III.1503.D. Table 4 or any such equivalent method as may be approved by DEQ. Use these methods for initial compliance determinations and for any additional compliance determinations as requested by DEQ.

Determine sulfur content of uncalcined coke representative of the uncalcined coke input to the kiln, expressed as percent sulfur. Start collecting data within one hour of routing exhaust stream through the pyroscrubber stack. Data collection can end once the exhaust stream is rerouted back to the Heat Recovery Boiler Stack and sulfur dioxide emissions are being monitored and recorded by the installed CEMS.

The pound per hour sulfur input rates used to determine compliance with the emission limits set forth in this permit shall use the following equation to compute the sulfur emission rate:

$$\text{Sulfur Dioxide (lb/hr)} = (0.5349) * (\text{Tons Coke(input) per hour} X (1 - \% \text{ Moisture in Uncalcined Coke}) \times 2000 \text{ lbs/ton} X \% \text{ Sulfur in Uncalcined Coke}) - 9.93$$

% moisture and % sulfur is the average of all samples collected on a per occurrence basis.

Tons Coke input rate is the total green coke feed for the operating hours for each occurrence.

This alternate means of determining sulfur dioxide emissions is allowed under LAC 33:III.1511.C.2.b and shall be used when the exhaust stream is not routed through the stack which contains the SO₂ CEMS. The sulfur dioxide emissions calculated using this procedure shall be included in any submittal required by LAC 33:III.919.

Submit excess emissions report: Due quarterly in accordance with LAC 33:III. Chapter 39. Submit reports of three-hour excess emissions and reports of emergency conditions.

Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III. Chapter 15.

Pyroscrubber Stack Operating time <= 2160 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if operating time exceeds the maximum listed in this specific condition for any consecutive twelve-month period.

[From PSD LA-582 (M-3) Permit]. [LAC 33:III.509, LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum

SPECIFIC REQUIREMENTS

AJ ID: 44866 - Rain City Carbon LLC - Norco Coke Plant

Activity Number: PER20070001

Permit Number: 2520-00003-V1

Air - Title V Regular Permit Renewal

EQT 0006 N-7 - Pyroscrubber Stack

- 61 [LAC 33.III.507.H.1.a] Opacity monitored by visual inspection/determination daily when discharging to ensure compliance. If visible emissions are detected, 40 CFR 60 Appendix A, Method 9 must be conducted within 1 hour.
Which Months: All Year Statistical Basis: None specified
- 62 [LAC 33.III.507.H.1.a] Nitrogen oxides recordkeeping by logbook monthly
Keep records of the estimated total hourly NOx emissions each month and for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33.III.509, LAC 33.III.507.H.1.a]
- 63 [LAC 33.III.507.H.1.a] Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks and any Method 9 results, on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 64 [LAC 33.III.509] Operating time report: Due annually, by the 31st of March. Report the hours of operation of the stack for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33.III.509, LAC 33.III.507.H.1.a]
- Pyroscrubber Stack Operating time monitored by technically sound method continuously.
The stack shall not operate concurrently with the Heat Recovery Boiler Stack (N-8).
[From PSD-LA-582 (M-3) Permit]. [LAC 33.III.509, LAC 33.III.507.H.1.a]
- 65 [LAC 33.III.509] Which Months: All Year Statistical Basis: None specified
Operating time recordkeeping by electronic or hard copy monthly. Keep records of the stack's total hours of operation each month, as well as the total hours of operation for the last twelve months. Make records available for inspection by DEQ personnel.
[From PSD-LA-582-M2 Permit]. [LAC 33.III.509, LAC 33.III.507.H.1.a]
- 66 [LAC 33.III.509] Nitrogen oxides monitored by technically sound method as needed. Use predictive emissions monitoring to calculate and record NOx emissions when venting to the Pyroscrubber Stack.
Which Months: All Year Statistical Basis: None specified

EQT 0007 N-9 - Dedust Oil Tank

- 67 [LAC 33.III.509] VOL storage data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the type(s) of VOC stored and the length of time stored.

EQT 0012 N-2 - Cooler Scrubber Stack

- 68 [LAC 33.III.2103.1.6] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1305.1-7.
Scrubber: Flow rate >= 30 gallons/min.
Which Months: All Year Statistical Basis: None specified
Operating time <= 8400 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the Rotary Cooler Scrubber Stack (N-2) operating time exceeds the maximum listed in this specific condition for any consecutive twelve-month period.
Which Months: All Year Statistical Basis: Twelvemonth maximum

SPECIFIC REQUIREMENTS

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant
Activity Number: PER20070001
Permit Number: 2520-00003-V1
Air - Title V Regular Permit Renewal

EQT 0012 N-2 - Cooler Scrubber Stack

- 72 [LAC 33:III.507.H.1.a] Operating time monitored by technically sound method continuously.
Which Months: All Year Statistical Basis: None specified
- 73 [LAC 33:III.507.H.1.a] Operating time : Submit report: Due annually, by the 31st of March. Report the hours of operation for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 74 [LAC 33:III.507.H.1.a] Scrubber: Flow rate monitored by flow rate monitoring device once every four hours.
Which Months: All Year Statistical Basis: None specified
- 75 [LAC 33:III.507.H.1.a] Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division.
- 76 [LAC 33:III.507.H.1.a] Scrubber: Flow rate recordkeeping by electronic or hard copy once every four hours. Make records available for inspection by DEQ personnel.
- 77 [LAC 33:III.507.H.1.a] Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total hours of operation each month, as well as the total hours of operation for the last twelve months. Make records available for inspection by DEQ personnel.

EQT 0017 017 - Rotary Cooler Multicloner

- 78 [LAC 33:III.501.C.6] Pressure drop monitored by pressure drop instrument continuously.
Which Months: All Year Statistical Basis: None specified
- 79 [LAC 33:III.501.C.6] Pressure drop recordkeeping by electronic or hard copy daily. Make records available for inspection by DEQ personnel.

FUG 0001 N-12 - Coffee Chaff Handling System

- 80 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
Total Annual Coffee Chaff Handled < 10,000 tons/yr.
- 81 [LAC 33:III.501.C.6] Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the amount of coffee chaff handled within a year exceeds the maximum listed in this specific condition.
- 82 [LAC 33:III.507.H.1.a] Equipment/operational data: Maintain recordkeeping of coffee chaff handled by electronic or hard copy continuously. Keep records of the total coffee chaff handled each month, as well as the total coffee chaff handled for the last twelve months. Make records available for inspection by DEQ personnel.
- 83 [LAC 33:III.507.H.1.a] Submit report: Due annually, by the 31st of March. Report the total annual coffee chaff handled for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 84 [LAC 33:III.507.H.1.a] Total annual coffee chaff handled shall be monitored by technically sound method continuously.

FUG 0002 N-13 - Lime Storage and Handling System

- 85 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

SPECIFIC REQUIREMENTS

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant
Activity Number: PER20070001
Permit Number: 2520-00003-V1
Air - Title V Regular Permit Renewal

GRP 0004 N-CAP78 - Pyroscrubber/HRB CAP

Group Members: EQT 0005 EQT 0006

- 86 [LAC 33.III.1511.C] Determine sulfur content of uncalcined coke representative of the uncalcined coke input to the kiln, expressed as percent sulfur. Start collecting data within one hour of routing exhaust stream through the pyroscrubber stack. Data collection can end once the exhaust stream is rerouted back to the Heat Recovery Boiler Stack and sulfur dioxide emissions are being monitored and recorded by the installed CEMS . Phases: Phase II Phases: Phase II
- 87 [LAC 33.III.501.C.6] Total Annual Coffee Chaff Combusted < 10,000 tons/yr.
Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the amount of coffee chaff combusted within a year exceeds the maximum listed in this specific condition.
- 88 [LAC 33.III.501.C.6] Operating time <= 8400 hr/yr.
This excludes periods when there is no feed in the kiln.
Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined total operating time from the Heat Recovery Boiler Stack (N-8) and the Pyroscrubber Stack (N-7) exceeds the maximum listed in this specific condition for any twelve consecutive month period.
The Pyroscrubber Stack (N-7) and the Heat Recovery Boiler Stack (N-8) shall not operate concurrently.
[From PSD-LA-582 (M-3) Permit]. [LAC 33.III.509, LAC 33.III.501.C.6]
Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum
Particulate matter (10 microns or less) recordkeeping by electronic or hard copy monthly Keep records of the feed rate to the kiln.
Particulate matter (10 microns or less) monitored by technically sound method continuously.
Monitor the feed rate to the kiln, as well as the residence time and temperature of the pyroscrubber to the ranges specified in the stack tests.
Which Months: All Year Statistical Basis: None specified
PM10, SO3, VOC and CO:
Submit report: Due annually by the 31st of March. Report the combined total PM10, SO3, VOC and CO emissions from the Pyroscrubber Stack (N-7) and Heat Recovery Boiler Stack (N-8) for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. Coffee chaff feed rate monitored by a variable speed metering screw conveyor. Monitor the feed rate to the pyroscrubber to ensure uniform delivery of coffee chaff.
Green Coke Feed Sulfur Content: Average Sulfur <= 2.25 % by weight.
Average sulfur content shall not exceed 2.25 % by wt. on a consecutive 12-month basis.
Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the green coke feed sulfur content exceeds the maximum listed in this specific condition for any twelve consecutive month period.
This requirement shall be considered Best Achievable Control Technology (BACT) for the control of SO2 emissions.
[From PSD-LA-582 (M-3) Permit].
Which Months: All Year Statistical Basis: Twelve-month rolling average (rolling 1-month basis)
Nitrogen oxides:
Submit report: Due annually, by the 31st of March. Report the combined NOx emissions from the Heat Recovery Boiler Stack (N-8) and the Pyroscrubber Stack (N-7) for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
[From PSD-LA-582 (M-3) Permit]. [LAC 33.III.509, LAC 33.III.507.H.1.a]

SPECIFIC REQUIREMENTS

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant

Activity Number: PER20070001

Permit Number: 2520-00003-V1

Air - Title V Regular Permit Renewal

GRP 0004 N-CAP78 - Pyroscrubber/HRB CAP

95 [LAC 33:III.509]

Operating time :

Submit report: Due annually, by the 31st of March. Report the combined total hours of operation for the Pyroscrubber Stack (N-7) and Heat Recovery Boiler Stack (N-8) for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

[From PSD-LA-582 (M-3) Permit]. [LAC 33:III.509, LAC 33:III.507.H.1.a]

Sulfur : Submit report: Due annually, by the 31st of March. Report the average weight % of sulfur in the green coke fed to the kiln for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

[From PSD-LA-582-(M-3) Permit]. [LAC 33:III.509, LAC 33:III.507.H.1.a]

Operating time recordkeeping by electronic or hard copy monthly Keep records of the combined total hours of operation each month and for the last twelve months from the Pyroscrubber Stack (N-7) and the Heat Recovery Boiler Stack (N-8).

Make records available for inspection by DEQ personnel.

[From PSD-LA-582 (M-3) Permit]. [LAC 33:III.509, LAC 33:III.507.H.1.a]

Green Coke Feed Sulfur Content:

Weight % Sulfur (surrogate for Sulfur dioxide) recordkeeping by logbook weekly.

Keep records of the average % sulfur content by weight in the green coke feed weekly and for the last twelve months from the Heat Recovery Boiler Stack (N-8) and Pyroscrubber Stack (N-7). Make records available for inspection by DEQ personnel.

[From PSD-LA-582 (M-3)].

Green Coke Feed Sulfur Content: Sulfur (surrogate for Sulfur dioxide) monitored by discrete sample weekly as an alternative to continuous emission monitoring of sulfur dioxide emission from the facility.

[From PSD-LA-582 (M-3) Permit]. [LAC 33:III.509, LAC 33:III.1513.B]

Which Months: All Year Statistical Basis: Twelve-month rolling average (rolling 1-month basis)

UNF 0001 UNF01 - Norco Coke Plant

100 [40 CFR 70.5(a)(1)(iii)]

101 [40 CFR 70.6(a)(3)(iii)(A)]

Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division.

Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(ii)(A)]

Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]

Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

SPECIFIC REQUIREMENTS

AI ID: 44866 - Rain CII Carbon LLC - Norco Coke Plant
Activity Number: PER20070001
Permit Number: 2520-00003-V1
Air - Title V Regular Permit Renewal

UNF 0001 UNF01 - Norco Coke Plant

- 104 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 105 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 106 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 107 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
- 108 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 109 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 110 [LAC 33:III.509] Comply with the requirements of PSD-LA-582 (M-3). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-582 (M-3).
- 111 [LAC 33:III.561(A)] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority.
- 112 [LAC 33:III.561(B)] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 113 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
- 114 [LAC 33:III.927] Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1 Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.